PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Alvaro SANCHEZ-FERRER et al

Serial No.:

10/125458

Group Art Unit: 1626

Filed:

April 19, 2002

For:

PROCESS FOR PREPARING

CEPHALOSPORANIC ACID **DERIVATIVES USING ALPHA-**KETOACID DERIVATIVES

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents Washington, DC 20231

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney. submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

Documents AB, AD-AJ, AN-AR, AU-AW and AC1-AM1 are discussed in the present specification. Document AE is the English counterpart of German Patent 3447023 cited in the specification. Document AI is the English counterpart of Belgium Patent 718824 also cited in the specification.

Documents AC, AL, AX, AY were cited in a European Search Report dated October 5, 2001 for EP01201718. Document AA is the English counterpart of Document AY and Document AK is an English counterpart of Document AX.

Documents AS, AT, AQ1 and AR1 were cited in a European Search Report dated October 23, 2001 for Application No. EP01201699.

Documents AM, AZ, AA1, AB1 and AN1-AP1 were cited in a European Search Report dated April 9, 2002 for EP01201426.

In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application.

Respectfully submitted,

JACOBSON HOLMAN PLLC

Bv:

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Date: June 19, 2002

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

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			25458		FILING DATE:		April 19, 2002		
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	AA	3278531	10/11/66	Cox e	t al	260	243	•	,
	AB	3367933	02/06/68	Eardl	ey et al	260	243		
	AC	3872115	03/18/75		oto et al	260	243		
	AD	3960662	06/01/76		da et al	195	29		
	ΑE	4745061	05/17/88	Aretz	et al	435	193		,,
	AF	4774179	09/27/88	<u>Ichik</u>	awa et al	435	51		
	AG	5296358	03/22/94	<u>Batti</u>	stel et al	435	49		
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			FOREIGN	PATENT	DOCUMENTS				
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	AI	1239814	07/21/71	<u>Great</u>	<u>Britain</u>				
	AJ	1272769	05/03/72	<u>Great</u>	<u>Britain</u>	· 			
	AK ·	1295841	11/08/72	<u>Great</u>	<u>Britain</u>				
	AL	1385685	02/26/75	<u>Great</u>	<u>Britain</u>				
	AM	<u>0167651B1</u>	<u>09/13/89</u>	Europe	<u></u>				
	AN	<u>0283218B1</u>	07/14/93	Europe	9				
	AO	<u>0315786A1</u>	<u>05/17/89</u>	Europe	<u> </u>				
	AP	<u>0364275B1</u>	05/31/95	Europe	<u> </u>				
	AQ	<u>0496993B1</u>	05/01/96	Europe	9				
	AR	<u>0517200B1</u>	<u>08/14/96</u>	Europe	9				·
	AS	<u>0846695A1</u>	06/10/98	Europe	<u>.</u>				
	AT	WO90/12110	10/18/90	WIPO		<u> </u>			
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Abstract						
<u>Abstract</u>						
Abstract						

Etc.)						
3, pqs. 30-						
pqs. S136-						
strategy						
1994, pqs.						
1288-1294, Evaluation of D-Amino Acid Oxidase from Savidge, BIOTECHNOLOGY OF INDUSTRIAL ANTIBIOTICS, Chapter 5,						
1984, Enzymatic Conversions Used in the Production of						
Parmar et al, CRITICAL REVIEWS IN BIOTECHNOLOGY, 18(1), 1998,						
<u>), 1998, </u>						
. 1998,						
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5, 1995,						
5, 1995, of						
5, 1995, of ol. 69, 1998						
5, 1995, of ol. 69, 1998						

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			ROUP ART UNIT: 1626
SERIAL	NO.:	10/125458 FI	ILING DATE: April 19, 2002
APPLIC	ANT(S):	: <u>SANCHEZ-FERRER et a</u> l TO	DDAY'S DATE: June 19, 2002
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	OTHER	ART (Including Author, Title, D	ate, Pertinent Pages, Etc.)
	AJ1		99, pgs. 600-607, An Industrial
		<u>View on Enzymes for the Cleavac</u>	
	AK1		PPLIED BIOCHEMISTRY 7, 1985, pgs.
-		104-113, D-Amino Acid Oxidase f	
	AL1		LTRS., Vol. 7, No. 1, 1985, pgs.
			racterization of a D-Amino Acid
	AM1	Kramer et al, TETRAHEDRON, 53(4	43), 1997, pgs. 14645-14650,
		Coimmobilization of L-α-Glycero	ophosphate Oxidase with
	AN1	Hannah et al, JOUR OF MEDICINAL	CHEMISTRY, Vol. 25, No. 4, 1982,
		pgs. 457-469, Quaternary Hetero	ocyclylamino β-Lactams: A
	A01	Nomura et al, JOUR OF MEDICINAL	CHEMISTRY, Vol. 17, No. 12, 1974
			tics 6. Sulfocephalosporins and
	AP1	Cocker et al, JOUR OF CHEMICAL	SOCIETY, 1965, pgs. 5015-5031,
		Cephalosporanic Acids. Part II.	. Displacement of the
	AQ1	Justiz et al, JOUR ORGANIC CHEM	MISTRY 62, 1997, pgs. 9099-9106,
		One-Pot Chemoenzymatic Synthesi	
	AR1	The Merck Index on CD-ROM, Vers	sion 12:2, 1997, Merck & Co. Inc.,
		XP002177921, 4 pgs.	
	•		
	 		
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